		DEPARTMENT	ATE OF UTAH OF NATURAL RES F OIL, GAS AND N			FOR AMENDED REPOR	
APPLI	CATION FOR	PERMIT TO DRILL	-		1. WELL NAME and	NUMBER NBU 732-36E	
2. TYPE OF WORK  DRILL NEW WELL (	REENTER P8	A WELL ( DEEPE	N WELL		3. FIELD OR WILD	CAT NATURAL BUTTES	
4. TYPE OF WELL  Gas We		ed Methane Well: NO			5. UNIT or COMMU	NITIZATION AGRE	EMENT NAME
6. NAME OF OPERATOR	EOG Resou	rces, Inc.			7. OPERATOR PHO		
8. ADDRESS OF OPERATOR	East Highway 40	), Vernal, UT, 84078			9. OPERATOR E-MA	AIL gardner@eogresourc	es.com
10. MINERAL LEASE NUMBER	_uot mgu, it	11. MINERAL OWNE	RSHIP		12. SURFACE OWN		
(FEDERAL, INDIAN, OR STATE) ML-3140.5		FEDERAL IND	IAN 🗍 STATE (	FEE 🗍	FEDERAL IN	DIAN 🗍 STATE	FEE (
13. NAME OF SURFACE OWNER (if box 12	= 'fee')	-			14. SURFACE OWN	ER PHONE (if box 1	.2 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')				16. SURFACE OWN	ER E-MAIL (if box :	12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME		18. INTEND TO COM		ION FROM	19. SLANT		
(if box 12 = 'INDIAN')			commingling Applicat	ion) NO 📵	VERTICAL 📵 DI	RECTIONAL ( H	ORIZONTAL 🗍
20. LOCATION OF WELL	FO	OTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1905 F	NL 661 FWL	SWNW	36	9.0 S	20.0 E	S
Top of Uppermost Producing Zone	1905 F	NL 661 FWL	SWNW	36	9.0 S	20.0 E	S
At Total Depth	1905 F	NL 661 FWL	SWNW	36	9.0 S	20.0 E	S
21. COUNTY  UINTAH		22. DISTANCE TO N	EAREST LEASE LIN 661	E (Feet)	23. NUMBER OF AC	RES IN DRILLING 280	UNIT
		25. DISTANCE TO NI (Applied For Drilling		AME POOL	26. PROPOSED DEF	PTH : 7055 TVD: 7055	i
<b>27. ELEVATION - GROUND LEVEL</b> 4901		28. BOND NUMBER	6196017		29. SOURCE OF DR WATER RIGHTS AP		F APPLICABLE
		Aī	TTACHMENTS		*		
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORCANO	CE WITH THE UT	TAH OIL AN	D GAS CONSERVATI	ON GENERAL RU	ILES
WELL PLAT OR MAP PREPARED BY	LICENSED SUR	VEYOR OR ENGINEER	R COM	IPLETE DRILL	ING PLAN		
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EMENT (IF FEE SURFA	ACE) FOR	M 5. IF OPERA	TOR IS OTHER THAN T	HE LEASE OWNER	
DIRECTIONAL SURVEY PLAN (IF DI	RECTIONALLY	OR HORIZONTALLY	<b>№</b> торо	OGRAPHICAL	МАР		
NAME Kaylene Gardner	TITLE R	egulatory Administrator	r	PHONE 4	35 781-9111		
SIGNATURE	DATE 1	2/24/2008		EMAIL ka	ylene_gardner@eogreso	urces.com	
<b>API NUMBER ASSIGNED</b> 43047500600000	APPRO	VAL		Bo	ocylll		
				Peri	nit Manager		

		Proposed Hole, Ca	sing, and Cement			
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	17.5	13.378	0	60		
Pipe	Grade	Length	Weight			
	Grade H-40 ST&C	60	48.0			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	60			
		<b>Cement Description</b>	Class	Sacks	Yield	Weight
			Class C Cement	0	0.0	0.0

		Proposed Hole, Ca	asing, and Cement			
String	Hole Size	<b>Casing Size</b>	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2300		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	2300	36.0			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	2300			
		<b>Cement Description</b>	Class	Sacks	Yield	Weight
			Class G Cement	185	3.82	11.0

		Proposed Hole, Cas	ing, and Cement			
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	7055		
Pipe	Grade	Length	Weight			
	Grade N-80 LT&C	7055	11.6			
	Cement Interval	Top (MD)	Bottom (MD)			
		2300	7055			
		<b>Cement Description</b>	Class	Sacks	Yield	Weight
			Hi Lift "G"	152	3.91	11.0
			50/50 Poz	439	1.28	14.1

#### **NATURAL BUTTES UNIT 732-36E**

## SW/NW, SEC. 36, T9S, R20E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,571		Shale	
Mahogany Oil Shale Bed	2,346		Shale	
Wasatch	5,023	Primary	Sandstone	Gas
Chapita Wells	5,692	Primary	Sandstone	Gas
Buck Canyon	6,384	Primary	Sandstone	Gas
North Horn	6,995	Primary	Sandstone	Gas
TD	7,055			

Estimated TD: 7,055' or 200'± below TD Anticipated BHP: 3,852 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

#### 3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig BOP schematic diagrams attached.

#### 4. CASING PROGRAM:

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGHT	<u>Grade</u>	Thread	Rating Collapse	Factor Burst	<b>Tensile</b>
Conductor	17 1/2"	0 – 60'	13 3/8"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
		0'-2,300'							
Surface	12 1/4"	KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface – TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	233,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5%" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

## **NATURAL BUTTES UNIT 732-36E**

# SW/NW, SEC. 36, T9S, R20E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 5. Float Equipment:

#### **Surface Hole Procedure (0'- 2300'±)**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

#### **Production Hole Procedure (2300'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

#### **Surface Hole Procedure (Surface - 2300'±):**

Air/air mist or aerated water.

<u>Production Hole Procedure (2300' $\pm$  - TD):</u> Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'±-TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

## NATURAL BUTTES UNIT 732-36E SW/NW, SEC. 36, T9S, R20E, S.L.B.&M..

# UINTAH COUNTY, UTAH

#### 1. VARIANCE REQUESTS:

**Reference:** Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- o EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- o EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- o EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- o EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

#### 8. EVALUATION PROGRAM:

**Logs:** Mud log from base of surface casing to TD.

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

**Cement Bond / Casing Collar Locator and Pulsed Neutron** 

#### **NATURAL BUTTES UNIT 732-36E**

# SW/NW, SEC. 36, T9S, R20E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 9. CEMENT PROGRAM:

#### **Surface Hole Procedure (Surface - 2300'±):**

Lead: 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCI<sub>2</sub>, 3 lb/sx GR3

<sup>1</sup>/<sub>4</sub> #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail: 207 sks Class "G" cement with 2% CaCI<sub>2</sub>, ½#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2

gps water.

**Top Out**: As necessary with Class "G" cement with 2% CaCI<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18

ft<sup>3</sup>/sk., 5.2 gps water.

**Note:** Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

#### **Production Hole Procedure (2300'± - TD)**

**Lead:** 152 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 439 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13

(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at

14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note:** The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to  $200'\pm$  above 9-5/8" casing shoe.

Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

#### 10. ABNORMAL CONDITIONS:

#### **Surface Hole (Surface - 2300'±):**

Lost circulation

#### **Production Hole (2300'±-TD):**

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

# NATURAL BUTTES UNIT 732-36E SW/NW, SEC. 36, T9S, R20E, S.L.B.&M..

# UINTAH COUNTY, UTAH

#### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

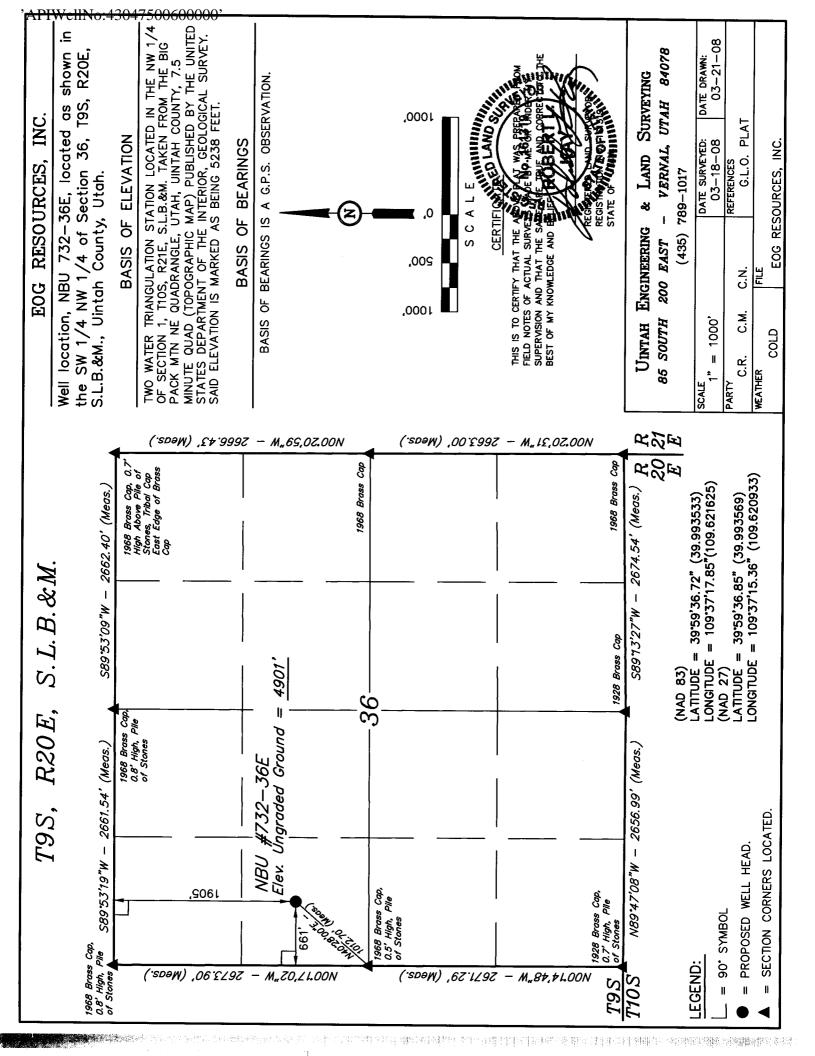
#### 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

#### 13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)



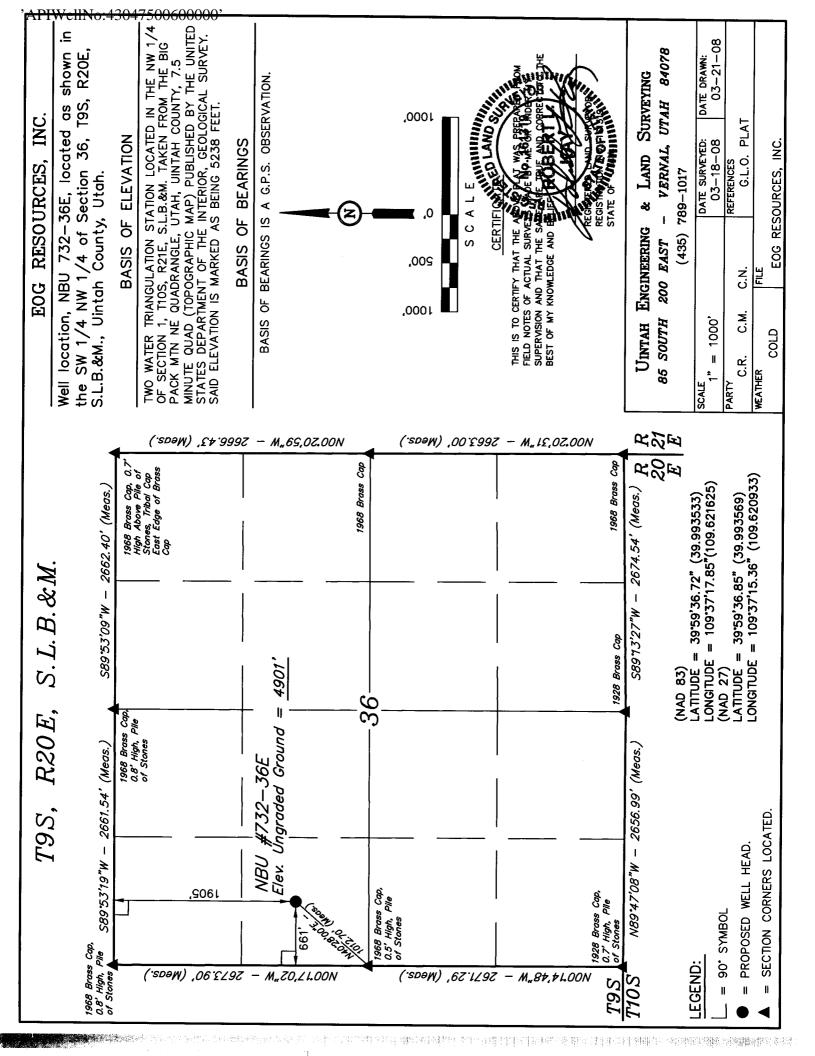
# EOG RESOURCES, INC.

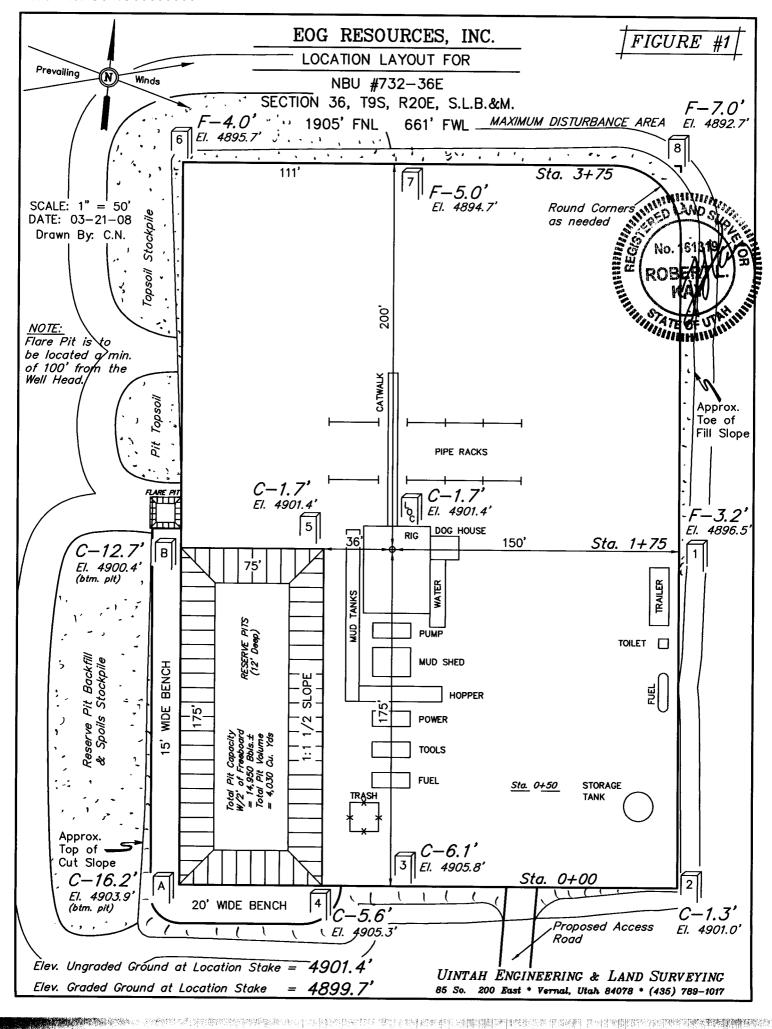
NBU #732-36E SECTION 36, T9S, R20E, S.L.B.&M.

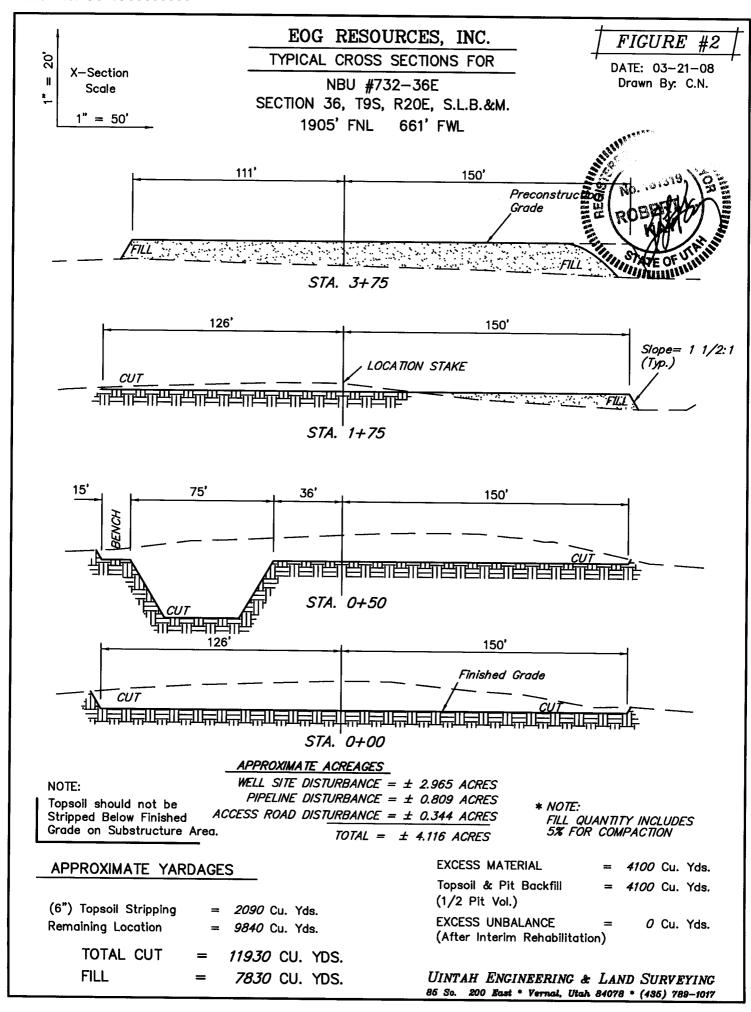
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN PROPOSED ROAD FOR THE 730-36E TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.1 TO THE BEGINNING OF THE PROPOSED ACCESS FOR TO THE NORTH; FOLLOW ROAD FLAGS IN A NORHTERLY DIRECTION APPROXIMATLEY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 40.6 MILES.

<sup>你们还有</sup>这个的孩子,我们还是一个的,我们是一个人的,我们是不要的事实,这种的人的,我们的人,我们的事实的,我们就是那么多种**没有的人的人,**我们就是这个人,我们







EOG RESOURCES, INC. PRODUCTION FACILITY LAYOUT FOR DATE: 03-21-08 Drawn By: C.N. NBU #732-36E SECTION 36, T9S, R20E, S.L.B.&M. 1905' FNL 661' FWL COMBO UNIT WELL HEAD Access Road RE-HABED AREA UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# EOG RESOURCES, INC.

NBU #732-36E

LOCATED IN UINTAH COUNTY, UTAH SECTION 36, T9S, R20E, S.L.B.&M.

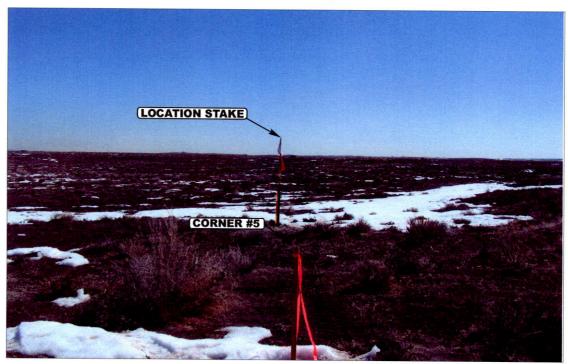


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHEASTERLY** 



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: NORTHEASTERLY** 

РНОТО



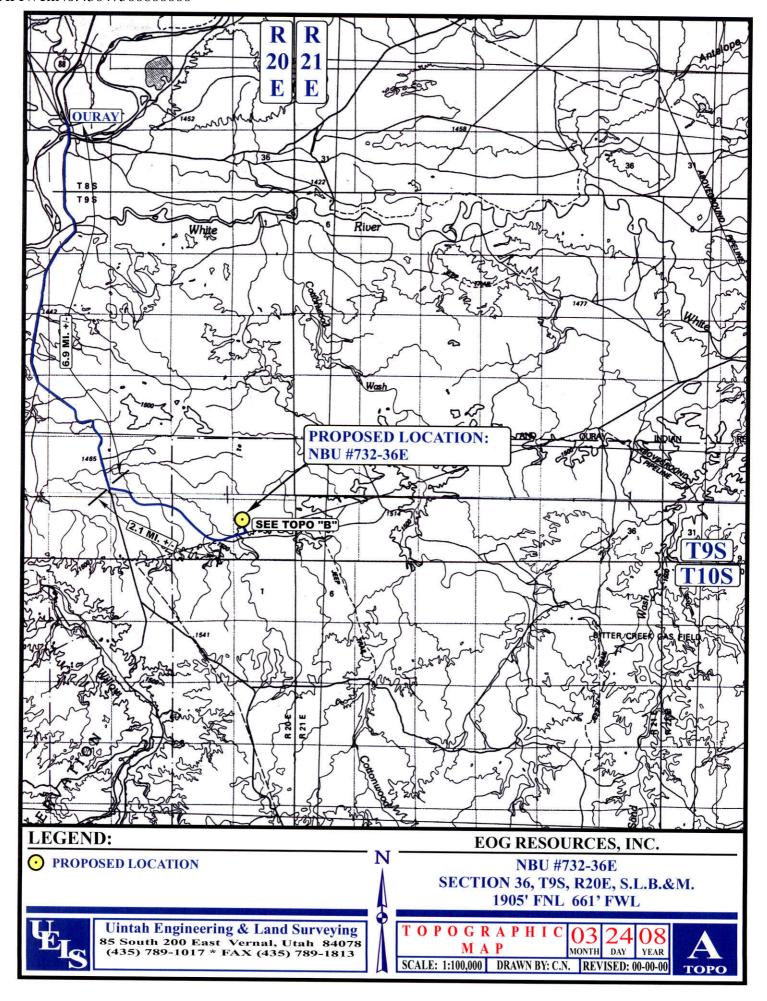
Uintah Engineering & Land Surveying

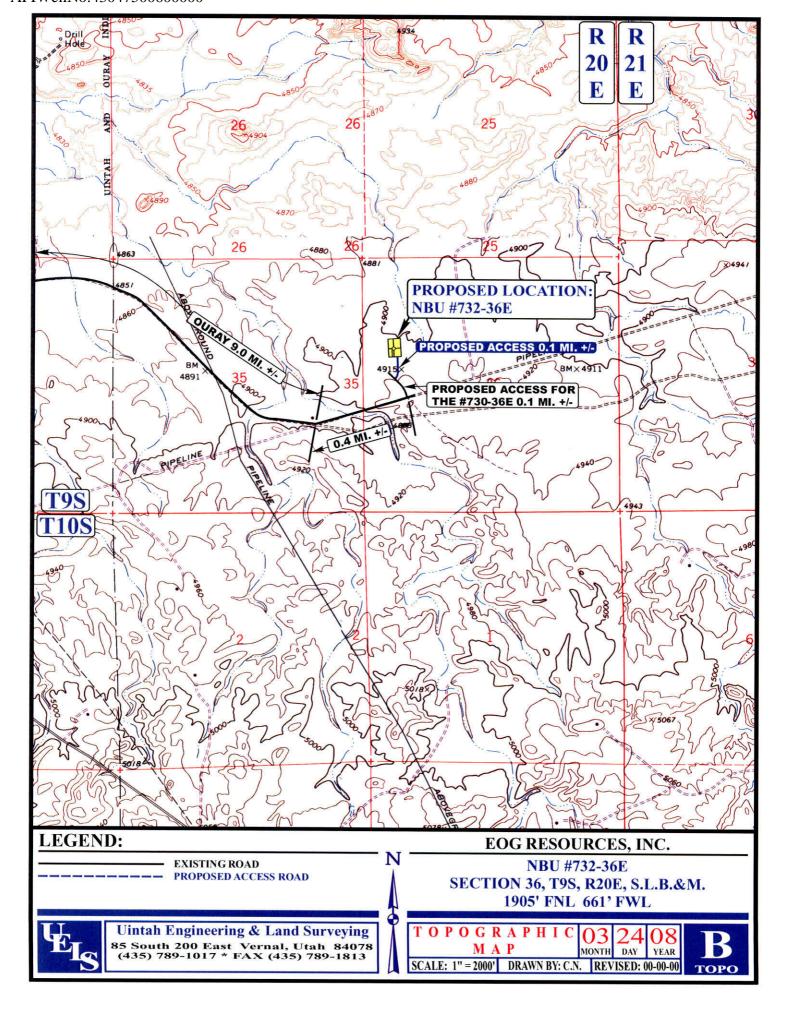
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

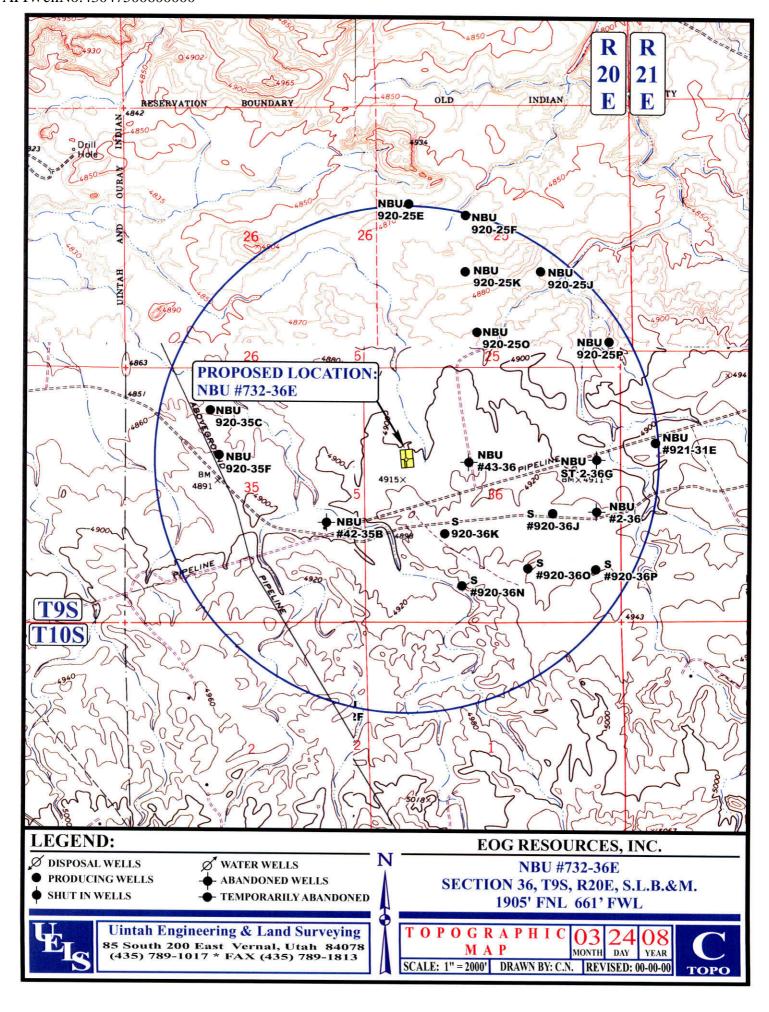
LOCATION PHOTOS

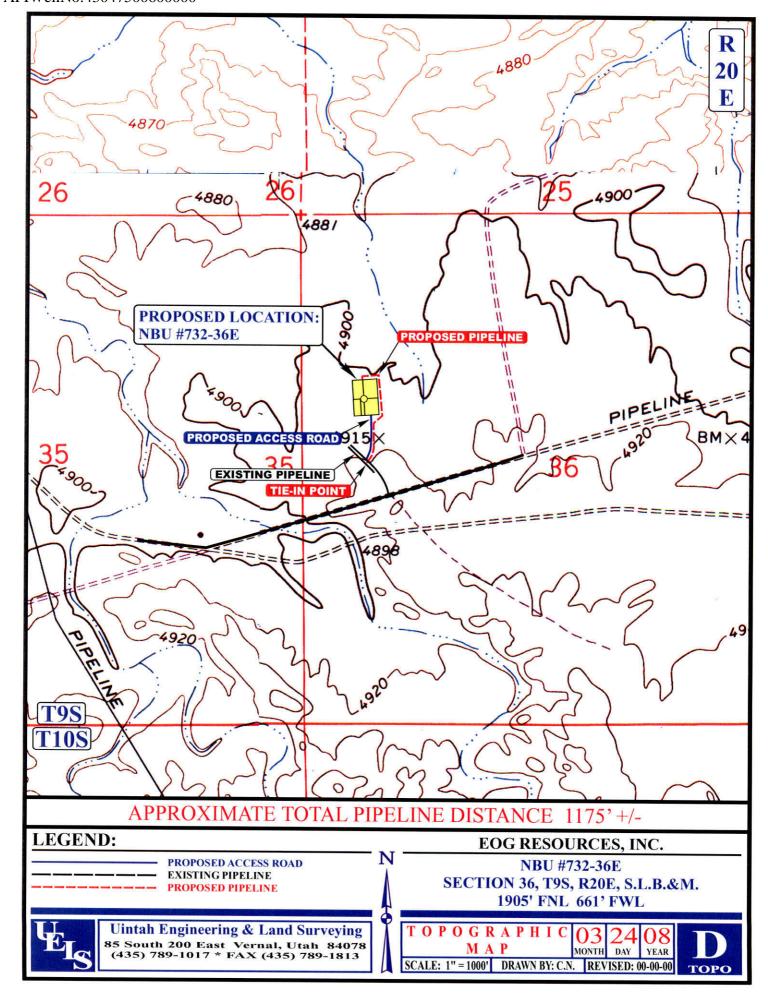
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MONTH DAY YEAR

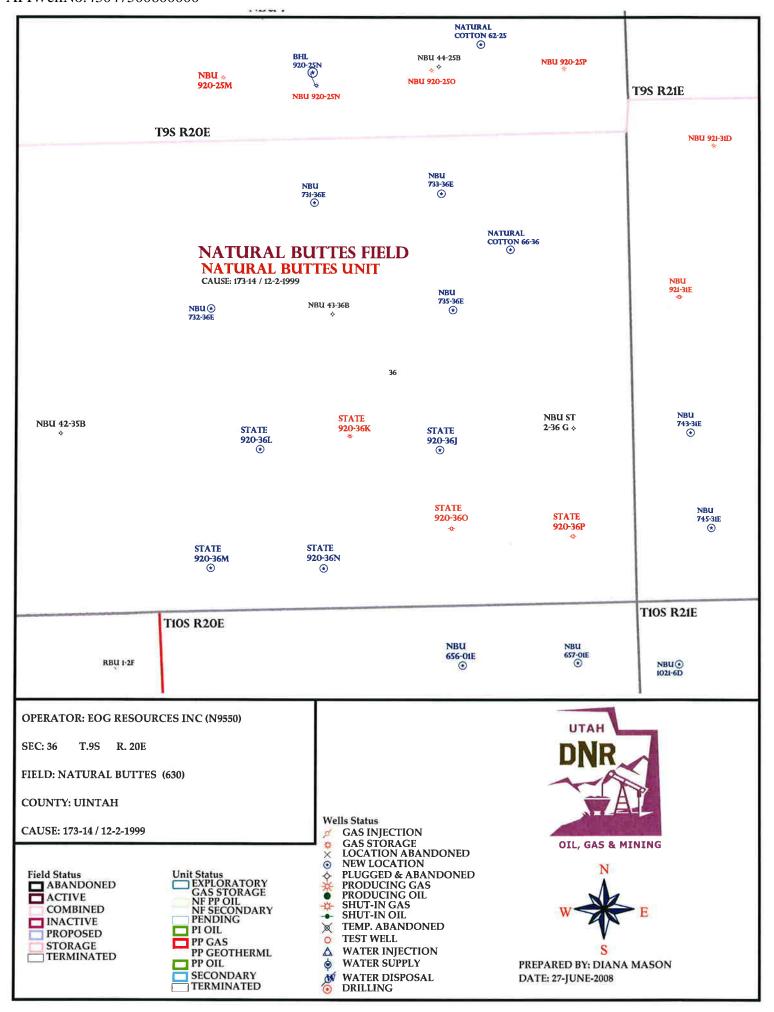
TAKEN BY: C.R. | DRAWN BY: C.N. | REVISED: 00-00-00











12/24/2008

# **Application for Permit to Drill Statement of Basis**

**Utah Division of Oil, Gas and Mining** 

Page 1

APD No	API WellNo	Status	Well Type	<b>Surf Owner</b>	<b>CBM</b>
840	43047500600000	InReview	GW	S	No
Operator	EOG RESOURCES, INC.		<b>Surface Owner-APD</b>		
Wall Nama	NIDI 1722 26E		Unit	NATUDAL DI	ITTEC

Well Name NBU 732-36E Unit NATURAL BUTTES

Field NATURAL BUTTES Type of Work DRILL

**Location** SWNW 36 9S 20E S 1905 FNL 661 FWL GPS Coord (UTM) 617726E 4427736N

#### **Geologic Statement of Basis**

EOG proposes to set 2,300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,700'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole The proposed casing and cement program should adequately protect usable ground water in the area.

Brad Hill 8/12/2008
APD Evaluator Date / Time

#### **Surface Statement of Basis**

This location is in the Natural Buttes Unit approximately 10 miles southeast of Ouray, Ut.. It is accessed by the Seep Ridge Road to the Uintah County Middle Road then by existing or planned oil field development roads to within 0.10 miles of the site, which will require new construction.

The general area is in the head of a long unnamed wash immediately west of Cottonwood Wash. Both washes enter the White River in the same general area, approximately six miles below the site. The area is characterized by rolling hills, which are frequently divided by somewhat gentle draws which drain northerly. This unnamed wash is an ephemeral drainage. No springs, seeps or streams exist in the area. An occasional pond constructed to supply water for cattle and antelope exists. The washes are sometimes rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims.

The proposed NBU 732-36E gas well location lies longitudinally along the slope of a sandy flat which has a gentle slope to the northeast. Cut from the upper side will be moved to the eastto form the pad. No drainage concerns exist. The selected site poses no significant surface problems and should be a suitable location for constructing a pad, drilling and operating a well..

Both the surface and minerals are owned by SITLA. Jim Davis of SITLA attended the pre-site visit and had no concerns regarding the proposal.

Ben Williams of the Utah Division of Wildlife Resources was invited to the pre-site visit. He did not attend.

SITLA is to be contacted for site restoration requirements including the seed mix to be used in revegetation.

Floyd Bartlett
Onsite Evaluator

7/22/2008 **Date / Time**  'APIWellNo:43047500600000'

# **Application for Permit to Drill Statement of Basis**

Utah Division of Oil, Gas and Mining

12/24/2008

#### **Conditions of Approval / Application for Permit to Drill**

**Category** Condition

Pits A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the

reserve pit.

Surface The reserve pit shall be fenced upon completion of drilling operations.

Page 2

## **ON-SITE PREDRILL EVALUATION**

#### **Utah Division of Oil, Gas and Mining**

**Operator** EOG RESOURCES, INC.

Well Name NBU 732-36E

API Number 43-047-50060-0 APD No 840 Field/Unit NATURAL BUTTES

**Location: 1/4,1/4** SWNW **Sec** 36 **Tw** 9S **Rng** 20E 1905 FNL 661 FWL

GPS Coord (UTM) 617732 4427749 Surface Owner

#### **Participants**

Floyd Bartlett (DOGM), Jim Davis (SITLA), Byron Tolman (Agent for EOG

#### Regional/Local Setting & Topography

This location is in the Natural Buttes Unit approximately 10 miles southeast of Ouray, Ut.. It is accessed by the Seep Ridge Road to the Uintah County Middle Road then by existing or planned oil field development roads to within 0.10 miles of the site, which will require new construction.

The general area is in the head of a long unnamed wash immediately west of Cottonwood Wash. Both washes enter the White River in the same general area, approximately six miles below the site. The area is characterized by rolling hills, which are frequently divided by somewhat gentle draws which drain northerly. This unnamed wash is an ephemeral drainage. No springs, seeps or streams exist in the area. An occasional pond constructed to supply water for cattle and antelope exists. The washes are sometimes rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims.

The proposed NBU 732-36E gas well location lies longitudinally along the slope of a sandy flat which has a gentle slope to the northeast. Cut from the upper side will be moved to the east. No drainage concerns exist. The selected site poses no significant surface problems and should be a suitable location for constructing a pad, drilling and operating a well..

Both the surface and minerals are owned by SITLA.

#### **Surface Use Plan**

#### **Current Surface Use**

Grazing

Recreational

Wildlfe Habitat

**New Road** 

Miles Well Pad Src Const Material Surface Formation

0.1 Width 276 Length 375 Onsite UNTA

**Ancillary Facilities** N

#### Waste Management Plan Adequate?

#### **Environmental Parameters**

Affected Floodplains and/or Wetland N

#### Flora / Fauna

The area has a moderate cover of vegetation. Principal species present are greasewood, shadscale, horsebrush, cheatgrass, halogeton, globe mallow, Spiny hopsage, Indian ricegrass, pepperweed, prickly pear and wild onions.

Cattle, antelope and small mammals and birds.

8/12/2008 Page 1

#### **Soil Type and Characteristics**

Soils are a moderately shallow sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

**Drainage Diverson Required** N

Berm Required? N

**Erosion Sedimentation Control Required?** N

Paleo Survey Run? Paleo Potental Observed? Cultural Survey Run? Cultural Resources?

#### Reserve Pit

Site-Specific Factors		Site 1	Ranking		
Distance to Groundwater (feet)	>200		0		
Distance to Surface Water (feet)	>1000		0		
Dist. Nearest Municipal Well (ft)	>5280		0		
Distance to Other Wells (feet)	300 to 1320		10		
Native Soil Type	Mod permeability		10		
Fluid Type	Fresh Water		5		
Drill Cuttings	Normal Rock		0		
<b>Annual Precipitation (inches)</b>	<10		0		
Affected Populations	<10		0		
<b>Presence Nearby Utility Conduits</b>	Not Present		0		
		Final Score	25	1	<b>Sensitivity Level</b>

#### **Characteristics / Requirements**

The reserve pit is planned in an area of cut in the southwest corner of the location. Dimensions are 75' x 175' x 12' deep with 2' of freeboard. A liner with a minimum thickness of 16 mils. and a felt sub-liner are required.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

#### **Other Observations / Comments**

AYV's were used to reach the site.

Floyd Bartlett 7/22/2008 **Evaluator Date / Time** 

8/12/2008 Page 2

From:

Jim Davis

To:

Bonner, Ed; kaylene gardner; Mason, Diana

Date:

8/25/2008 10:52 AM

Subject:

SITLA clearance of EOG wells

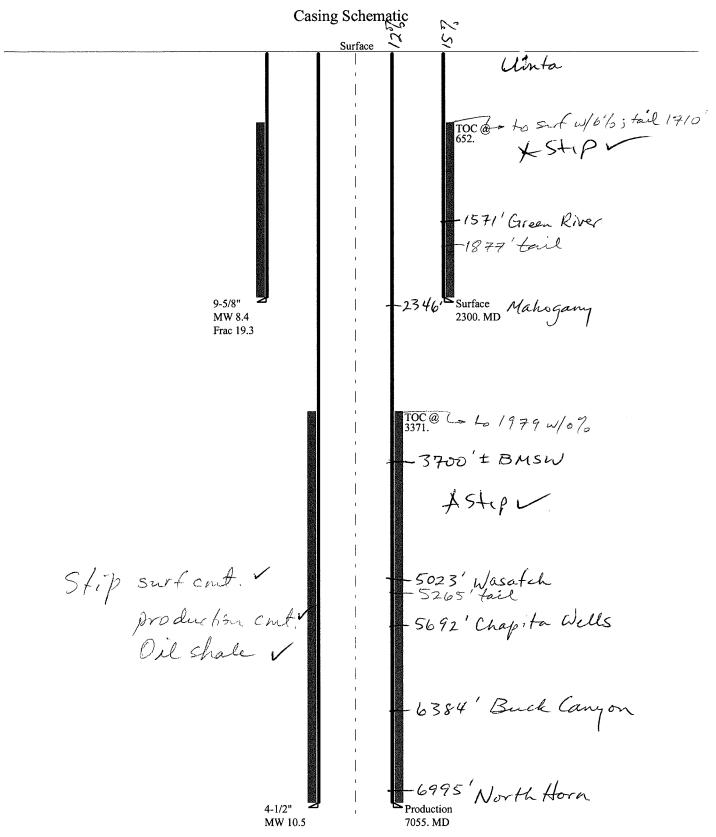
The following wells have been approved by SITLA including Arch and Paleo clearance. Spot monitoring for paleo resources is required at each of these locations. Formal notice of the paleo requirement has been sent to EOG previously.

4304750065	NBU 734-36E	<b>EOG Resources</b>	630	Natural Buttes	NENE	36	090S	200E
S	UINTAH							
4304750041	NBU 745-31E	EOG Resources	630	Natural Buttes	SWSW	31	090S	210E
S	UINTAH							
4304750063	NBU 736-36E	EOG Resources	630	Natural Buttes	SENE	36	090S	200E
S	UINTAH							
4304750060	NBU 732-36E	EOG Resources	630	Natural Buttes	SWNW	36	090S	200E
S	UINTAH							
4304750061	NBU 730-36E	EOG Resources	630	Natural Buttes	NWNW	36	090S	200E
S	UINTAH							

-Jim

Jim Davis Utah Trust Lands Administration jimdavis1@utah.gov Phone: (801) 538-5156

## 43047500600000 NBU 732-36E



43047500600000 NBU 732-36E Well name:

8.400 ppg

EOG Resources, Inc. Operator:

Surface String type:

Project ID:

43-047-50060-0000

Location:

Collapse

Mud weight:

**Uintah County** 

Minimum design factors: **Environment: Design parameters:** 

Collapse:

Design factor 1.125

H2S considered? Surface temperature: Bottom hole temperature:

No 65 °F 97 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length:

185 ft

**Burst:** 

Design factor

1.00

Cement top:

652 ft

**Burst** 

Max anticipated surface

pressure: 2,024 psi Internal gradient: 0.120 psi/ft 2,300 psi

Design is based on evacuated pipe.

Calculated BHP

No backup mud specified.

**Tension:** 

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) **Buttress:** 1.60 (J)

Premium: 1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 2.014 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

7,055 ft 10.500 ppg 3,848 psi 19.250 ppg

Fracture mud wt: Fracture depth: Injection pressure:

2,300 ft 2,300 psi

Run	Segment	DANSAL VIII VIVIII VIII VIII VIII VIII VIII	Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	2300	9.625	36.00	J-55	ST&C	2300	2300	8.796	998.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
4	1004	2020	2.013	2300	3520	1.53	83	394	4.76 J

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Minerals by:

Phone: 810-538-5357

Date: August 20,2008 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

43047500600000 NBU 732-36E Well name:

EOG Resources, Inc. Operator:

Production String type:

Project ID:

43-047-50060-0000

**Uintah County** Location:

Minimum design factors: **Environment:** Design parameters: Collapse

H2S considered? Collapse:

10.500 ppg Mud weight:

Design factor 1.125

No 65 °F

Design is based on evacuated pipe.

Surface temperature: Bottom hole temperature: 164 °F

Temperature gradient: Minimum section length: 1.40 °F/100ft

1.00

368 ft

**Burst:** 

Design factor

Cement top:

3,371 ft

**Burst** 

Max anticipated surface

pressure: 2,296 psi Internal gradient: 0.220 psi/ft

Calculated BHP 3,848 psi **Tension:** 

**Buttress:** 

Premium: Body yield:

Non-directional string. 1.80 (J)

No backup mud specified.

8 Round STC: 8 Round LTC:

1.80 (J) 1.60 (J)

1.50 (J) 1.50 (B)

Tension is based on air weight.

Neutral point:

5,948 ft

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	7055	4.5	11.60	N-80	LT&C	7055	7055	3.875	615.7
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor
1	3848	6350	1.650	3848	7780	2.02	82	223	2.72 J

Prepared

Helen Sadik-Macdonald

by: Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: August 20,2008 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 7055 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

INPUT   Well Name   Casing Size (*)   Setting Performance   String 1   0.56   Simp 2   0.200	BOPE REVIEW	<b>Ш</b>	EOG NBU 732-36E		API 43-047-50060-0000
String 1   String 2   4 1/2     String 2   4 1/2     String 2   4 1/2     String 2   4 1/2     String 3   String 1   9 5/8   4 1/2     String 1   String 1   9 5/8   10.5 ppg \(\sigma \text{No Office of the Casing at Depth*} \)    Max BHP-(0.12*Setting Depth*) =   729					
String 1   String 2   4 1/2	INPUT				
String 1   String 2   41/2   2300   7055   2300	Well Name	E	<b>JG NBU 732-36E</b>	API 43-047-50	0000-090
1052*Setting Depth**   105   1052*Setting Depth**   1052*Setting D		<u> </u>	ring 1	String 2	
String 1   9 5/8	Casing Size (")		9/26		1/2
8.4 10.5 Ppg 1/2. Setting Depth*   2300   2	Setting Depth (TVD)		2300	70	55
String 1   String 2	Previous Shoe Setting Depth (TVD)		09	23	00
String 1   9 5/8	Max Mud Weight (ppg)		8.4	1	7
String 1   9 5/8	BOPE Proposed (psi)		200	90	00
String 1   9 5/8 "	Casing Internal Yield (psi)		3520	77	08
String 1   9 5/8 "   BOPE Adequate For Drilling And Setting Casing at Depth*   Max BHP-(0.12*Setting Depth) =   729   YES	Operators Max Anticipated Pressure (psi)		3852	1(	).5 ppg √
String 1   9 5/8 "					
1005   BOPE Adequate For Drilling And Setting Casing at Depth*	Calculations	String 1	8/9 6	-	
Max BHP-(0.12*Setting Depth) =   729	Max BHP [psi]	.052*Setting Depth*MW =	1005		
Max BHP-(0.12*Setting Depth) =         729         NO O-UL         Air drill - stripper head           Max BHP-(0.22*Setting Depth) =         499         YES         Air drill - stripper head           Depth - Previous Shoe Depth*         512         NO UL< Solve Pecked				<b>BOPE Adequate</b>	For Drilling And Setting Casing at Depth?
Acan Full Expected Pressure Be Held At Previous Shoe?   Acan Full Expected Pressure Be Held At Previous Shoe Depth   String 2	MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		O ON	- 🌽 🎍 Air drill - stripper head
*Can Full Expected Pressure Be Held At Previous Shoe?	MASP (Gas/Mud) [psi]			YES	
String 2			•	Can Full Expec	ed Pressure Be Held At Previous Shoe?
String 2   4 1/2		22*(Setting Depth - Previous Shoe Depth) =		7) ON →	7
String 2   4 1/2	Required Casing/BOPE Test Pressure		2300	) jsc	
String 2       4 1/2         .052*Setting Depth**   3852         Max BHP-(0.12*Setting Depth) = 3005         Max BHP-(0.22*Setting Depth) = 2300         Depth - Previous Shoe Depth) = 5000         5000	*Max Pressure Allowed @ Previous Casi	ing Shoe =	(109)	)si 💢	*Assumes 1psi/ft frac gradient
String 2       4 1/2         .052*Setting Depth*MW = 3852       3852         Max BHP-(0.12*Setting Depth) = 2300       3005         Depth - Previous Shoe Depth) = 5000       2806				\	
String 2 4 1/2  .052*Setting Depth*MW = 3852  Max BHP-(0.12*Setting Depth) = 3005  Max BHP-(0.22*Setting Depth) = 2300  Depth - Previous Shoe Depth) = 2806  5009-					
.052*Setting Depth*MW = 3852  Nax BHP-(0.12*Setting Depth) = 3005  Nax BHP-(0.22*Setting Depth) = 2300  Depth - Previous Shoe Depth) = 5000-5000	Calculations	String 2	4 1/2		
Vax BHP-(0.12*Setting Depth) =       3005         Vax BHP-(0.22*Setting Depth) =       2300         Depth - Previous Shoe Depth) =       5000         5000       5000	Max BHP [psi]	.052*Setting Depth*MW =	3852		
Vax BHP-(0.12*Setting Depth) =       3005         Vax BHP-(0.22*Setting Depth) =       2300         Depth - Previous Shoe Depth) =       5000         5000       5000				<b>BOPE Adequate</b>	For Drilling And Setting Casing at Depth?
Max BHP-(0.22*Setting Depth) =       2300         Depth - Previous Shoe Depth) =       5806         5000       5000	MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3002	YES 🗸	
Depth - Previous Shoe Depth) = 2806 5000 5300	MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		YES	
Depth - Previous Shoe Depth) = 2806   5000   5000   2300				Can Full Expec	ed Pressure Be Held At Previous Shoe?
5000 psi (2300 psi X	Pressure At Previous Shoe   Max BHP	22*(Setting Depth - Previous Shoe Depth) =	2806	S NO O	<i>y</i>
(2300 psi	Required Casing/BOPE Test Pressure		5000	) isc	
	*Max Pressure Allowed @ Previous Casi	ing Shoe =	(2300)	' '	*Assumes 1psi/ft frac gradient
			)	\	

# **ON-SITE PREDRILL EVALUATION**

# Utah Division of Oil, Gas and Mining

**Operator** EOG RESOURCES, INC.

Well Name NBU 732-36E

API Number 43047500600000 APD No 840 Field/Unit NATURAL BUTTES

**Location: 1/4,1/4** SWNW **Sec** 36 **Tw** 9.0S **Rng** 20.0E 1905 FNL 661 FWL

GPS Coord (UTM) 617732 4427749 Surface Owner

#### **Participants**

Floyd Bartlett (DOGM), Jim Davis (SITLA), Byron Tolman (Agent for EOG

#### Regional/Local Setting & Topography

This location is in the Natural Buttes Unit approximately 10 miles southeast of Ouray, Ut.. It is accessed by the Seep Ridge Road to the Uintah County Middle Road then by existing or planned oil field development roads to within 0.10 miles of the site, which will require new construction.

The general area is in the head of a long unnamed wash immediately west of Cottonwood Wash. Both washes enter the White River in the same general area, approximately six miles below the site. The area is characterized by rolling hills, which are frequently divided by somewhat gentle draws which drain northerly. This unnamed wash is an ephemeral drainage. No springs, seeps or streams exist in the area. An occasional pond constructed to supply water for cattle and antelope exists. The washes are sometimes rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims.

The proposed NBU 732-36E gas well location lies longitudinally along the slope of a sandy flat which has a gentle slope to the northeast. Cut from the upper side will be moved to the east. No drainage concerns exist. The selected site poses no significant surface problems and should be a suitable location for constructing a pad, drilling and operating a well..

Both the surface and minerals are owned by SITLA.

#### Surface Use Plan

**Current Surface Use** 

Grazing Recreational Wildlfe Habitat

New Road Miles Well Pad Src Const Material Surface Formation

0.1 Width 276 Length 375 Onsite UNTA

**Ancillary Facilities** N

#### **Waste Management Plan Adequate?**

#### **Environmental Parameters**

Affected Floodplains and/or Wetlands N

Flora / Fauna

12/24/2008 Page 1

The area has a moderate cover of vegetation. Principal species present are greasewood, shadscale, horsebrush, cheatgrass, halogeton, globe mallow, Spiny hopsage, Indian ricegrass, pepperweed, prickly pear and wild onions.

Cattle, antelope and small mammals and birds.

#### **Soil Type and Characteristics**

Soils are a moderately shallow sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

Site Stability Issues N

**Drainage Diverson Required?** N

Berm Required? N

**Erosion Sedimentation Control Required?** N

Paleo Survey Run? Paleo Potental Observed? Cultural Survey Run? Cultural Resources?

#### **Reserve Pit**

Site-Specific Factors	Site Ra		
Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	300 to 1320	10	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
<b>Annual Precipitation (inches)</b>		0	
Affected Populations			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
	Final Score	25	1 Sensitivity Level

#### **Characteristics / Requirements**

The reserve pit is planned in an area of cut in the southwest corner of the location. Dimensions are 75' x 175' x 12' deep with 2' of freeboard. A liner with a minimum thickness of 16 mils. and a felt sub-liner are required.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

#### **Other Observations / Comments**

AYV's were used to reach the site.

Floyd Bartlett 7/22/2008
Evaluator Date / Time

12/24/2008 Page 2

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED:	6/25/2008	API NO. ASSIGNED:	43047500600000		
WELL NAME:	NBU 732-36E				
OPERATOR:	EOG Resources, Inc.	(N9550) <b>PHONE NUMBER:</b>	435 781-9111		
CONTACT:	Kaylene Gardner				
PROPOSED LOCATION:	SWNW 36 090S 200E	Permit Tech Review:			
SURFACE:	1905 FNL 0661 FWL	Engineering Review:			
воттом:	1905 FNL 0661 FWL	Geology Review:			
COUNTY:	UINTAH				
LATITUDE:	39.99349	LONGITUDE:	-109.62102		
<b>UTM SURF EASTINGS:</b>	617726.00	NORTHINGS:	4427736.00		
FIELD NAME:	NATURAL BUTTES				
LEASE TYPE:	3 - State				
LEASE NUMBER:	ML-3140.5	PROPOSED FORMATION:	NHORN		
SURFACE OWNER:	3 - State	COALBED METHANE:	NO		
RECEIVED AND/OR REVIEWE		LOCATION AND SITING:			
_	J.				
<u></u> PLAT		R649-2-3.			
<b>▶ Bond:</b> STATE/FEE - 619601	7	Unit: NATURAL BUTTES			
Potash		R649-3-2. General			
✓ Oil Shale 190-5					
Oil Shale 190-3		R649-3-3. Exception			
Oil Shale 190-13		✓ Drilling Unit			
<b>✓ Water Permit:</b> 49-225		Board Cause No: 173-14			
RDCC Review:	RDCC Review: Effective Date: 12/2/1999				
Fee Surface Agreement	Fee Surface Agreement Siting: 460' fr u bdry & uncomm. tract				
Intent to Commingle R649-3-11. Directional Drill					
Comments: Presite Comp APD IS APRVD IN U/	leted POD:				
• 13 - Cement 17 - Oil Shale	nt of Basis - bhill Volume Formation (3a e 190-5(b) - dmason Casing - hmacdonald	a) - hmacdonald			

API Well No: 43047500600000



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

#### Permit To Drill

\*\*\*\*\*

**Well Name:** NBU 732-36E **API Well Number:** 43047500600000

Lease Number: ML-3140.5 Surface Owner: STATE Approval Date: 12/24/2008

#### **Issued to:**

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of 173-14.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2100' MD in order to raise cement level to 200' above the surface casing shoe.

Surface casing shall be cemented to the surface.

#### **Notification Requirements:**

API Well No: 43047500600000

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to spudding the well contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program contact Dustin Doucet
  - Prior to commencing operations to plug and abandon the well contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well contact Dustin Doucet
- Any changes to the approved drilling plan contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

• Dan Jarvis at: (801) 538-5338 office

(801) 942-0871 home

• Carol Daniels at: (801) 538-5284 office

• Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### **Reporting Requirements:**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:

For Gil Hunt

Associate Director, Oil & Gas

STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS, AND MINING		FORM 9		
		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-3140.5		
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 732-36E	
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047500600000	
3. ADDRESS OF OPERATOR: 1060 East Highway 40, Verna	al, UT, 84078 435 781-911	PHONE NUMBER: 11 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1905 FNL 0661 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 36	P, RANGE, MERIDIAN: 5 Township: 09.0S Range: 20.0E Meridian:	S	STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR	
Approximate date work will start: 12/14/2009	☐ CHANGE TO PREVIOUS PLANS ☐ CHANGE WELL STATUS	<ul><li>☐ CHANGE TUBING</li><li>☐ COMMINGLE PRODUCING FORMATIONS</li></ul>	☐ CHANGE WELL NAME ☐ CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION	
	☐ PRODUCTION START OR RESUME	☐ PLUG AND ABANDON ☐ RECLAMATION OF WELL SITE	☐ PLUG BACK ☐ RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON	
☐ DRILLING REPORT	☐ TUBING REPAIR ☐ WATER SHUTOFF	<ul><li>☑ VENT OR FLARE</li><li>☑ SI TA STATUS EXTENSION</li></ul>		
Report Date:	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:	
	mpleted operations. Clearly show all pert respectfully requests the APD extended for one year.	for the referenced well be	Approved by the Utah Division of Oil, Gas and Mining  ate: December 15, 2009  y:	
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	TITLE Operations Clerk		
SIGNATURE N/A		DATE 12/14/2009		



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047500600000

**API:** 43047500600000 **Well Name:** NBU 732-36E

Location: 1905 FNL 0661 FWL QTR SWNW SEC 36 TWNP 090S RNG 200E MER S

**Company Permit Issued to:** EOG RESOURCES, INC.

**Date Original Permit Issued:** 12/24/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

require revi	sion. Following is a <b>c</b>	hecklist of	some items re	lated to the	applicati	on, whic	ch should be ve	rified.
	ated on private land, ed? 问 Yes 📵 No		nership chang	ed, if so, ha	s the sur	face agr	eement been	
	any wells been drille requirements for th				which wo	ould affe	ect the spacing	or
	here been any unit o s proposed well?			place that	could affe	ect the p	ermitting or op	eratio
	there been any chan the proposed location			icluding owi	nership, o	r righto	f- way, which c	ould
• Has tl	he approved source (	of water for	drilling chang	jed? 🜘 Ye	es 📵 No	<b>o</b>		
	there been any phys je in plans from wha							∋ a
• Is bo	nding still in place, w	hich covers	s this proposed	i well? 🌘	Yes 🗍	No Uta	oroved by the ah Division of Gas and Mini	F
Signature:	Mickenzie Gates	Date:	12/14/2009					
-	Operations Clerk Rep			ES, INC.	Da	ate:	December 15, 2	2009
	,	3-		, -		1	Office o	

	STATE OF UTAH	_	FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML-3140.5	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepen ggged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 732-36E	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS	HORE, L.P.		9. API NUMBER: 43047500600000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	<b>PHON</b> treet, Suite 600, Denver, CO, 80217 3779	<b>IE NUMBER:</b> 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1905 FNL 0661 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: 5 Township: 09.0S Range: 20.0E Meridian:	S	STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME	
12/24/2010	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK	
	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	☐ TUBING REPAIR	□ VENT OR FLARE	☐ WATER DISPOSAL	
DRILLING REPORT	□ WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION	
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:	
Kerr-McGee Oil & G extension to this A	ompleted operations. Clearly show all pert as Onshore, L.P. (Kerr-McGee) APD for the maximum time allo with any questions and/or com	respectfully requests an wed. Please contact the	Approved by the Utah Division of Oil, Gas and Mining	
		D	ate: 12/23/2010	
		_	Oll ho on d	
		В	y: Day fill	
			7 0	
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE		
Danielle Piernot	720 929-6156	Regulatory Analyst		
SIGNATURE N/A		<b>DATE</b> 12/20/2010		



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047500600000

**API:** 43047500600000 **Well Name:** NBU 732-36E

Location: 1905 FNL 0661 FWL QTR SWNW SEC 36 TWNP 090S RNG 200E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

**Date Original Permit Issued:** 12/24/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

require revi	sion. Following is a checkl	ist of s	ome items rel	ated to the	application	on, which should be verified.
	ated on private land, has t ed? 🔵 Yes 📵 No	he own	ership chang	ed, if so, ha	s the surf	ace agreement been
	any wells been drilled in t requirements for this loca			posed well No	which wo	ould affect the spacing or
	nere been any unit or othe s proposed well? () Yes	and the same of th	-	place that o	could affe	ct the permitting or operation
	there been any changes to the proposed location? (			cluding owr	nership, o	r rightof- way, which could
• Has tl	ne approved source of wat	er for d	Irilling chang	ed? 🔵 Ye	s 📵 No	•
	there been any physical cl e in plans from what was					route which will require a Yes  No
• Is bor	nding still in place, which o	covers t	this proposed	well? 📵	Yes 🔵	Approved by the No Utah Division of Oil, Gas and Mining
Signature:			12/20/2010		D-	12/23/2010
Title:	Regulatory Analyst Represe	enting:	KERR-MCGEE	OIL & GAS C	NSHOR <b>!</b> ₽	£ 00 cal W



# State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

JANUARY 4, 2012

Kerr McGee Oil & Gas Onshore, L.P. P.O. Box 173779 Denver, CO 80217

Re:

APD Rescinded - NBU 732-36E, Sec. 36, T. 9S, R. 20E

Uintah County, Utah API No. 43-047-50060

#### Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on December 24, 2008. On December 15, 2009 and December 23, 2010, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective January 4, 2012.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely.

Diana Mason

**Environmental Scientist** 

cc: Well File

SITLA, Ed Bonner

